# PCB INSPECTION PLAN

| Status: | Enforcement | | CBI: | | Open: | X | Routine | | Others | |
|---|---|---|---|---|---|---|---|---|---|---|

| | |
|---|---|
| Site Name/Facility | ORRCO – dba Fuel Processors, Inc. |
| Address: | 5758 Gebhard Road, Central Point, Oregon 97502 |
| Contact Person: | Mr. Bill Briggs |

COOPERATING AGENCIES/PARTIES INVOLVED:

| Contact Person | Agency | Phone Number |
|---|---|---|
| Dave Wall | Oregon Department of Environmental Quality | 503-229-6385 |
| | | |

AUTHORIZED INSPECTOR/SAMPLE COLLECTOR AND PHONE NUMBER:

| |
|---|
| Bruce Long, USEPA Oregon Operations Office - 503-326-3686 |
| |

SAMPLING REQUIREMENTS

| Parameter | Method | Quantitation Limits | Number of Samples | Type of Samples | Collection Date | Laboratory ETA | Remarks |
|---|---|---|---|---|---|---|---|
| PCB | 8082 | see QA Plan | 20 | Oil Wipe | 03/11/2010 | | |

SPECIAL CONSIDERATIONS OR "OPEN" REQUIREMENTS:

| |
|---|
| Please send preliminary results via email. |
| Samples to be delivered to Lab on 03/16/2010 |
| May also asked for some organic screening on selected samples for 8270B and 8260A |

FOR QAO/RSCC USE ONLY

RSCC RECEIPT AND LAB REQUEST:
DATE

QAO CONCURRENCE:
DATE

Project Code: _____ Account Code: AFLL3A

Sample Numbers Assigned: From _____ to

FOR LAB USE ONLY

Analyses accepted? (Y/N)

Comments:

Accepted by: _____ Date:

(Use other side of form if additional space is needed)

# QUALITY ASSURANCE PLAN FOR

# PCB
# AUTHORIZED INSPECTORS

Prepared by
Office of Quality Assurance
U.S.E.P.A. Region 10

Date: 5/6/98
Revision: 1.0

## INTRODUCTION

This document is intended to provide the Air and Toxics Division with a basic Quality Assurance Plan (QAPP) for PCB inspections. This QAPP is designed to assist the PCB Inspector in the execution of proper sample documentation and methodologies for (1) sample collection, (2) analytical methods and (3) data generation, reduction, validation and interpretation.

## PROJECT ORGANIZATION AND RESPONSIBILITY

This section identifies the personnel involved in the PCB inspection and defines their respective responsibilities in the process.

Inspector - The inspector represents the TSCA program on site. His main responsibility is to prepare a final inspection report to be submitted to the immediate program manager based on the results of the inspection conducted and the sample analytical data obtained from the laboratory. In conjunction, the inspector shall also be responsible for the site inspection; collection of samples; coordination with the Regional Sample Control Center (RSCC) for regional sample numbers and laboratory analysis schedule; maintenance of sample documentation and receipt of sample analytical results. All of these tasks shall be performed in accordance with the approved QA Plan for PCB inspection.

Regional Sample Control Center (RSCC) - The role of RSCC is to coordinate and schedule sample delivery and analysis with the regional laboratory based on the information provided by the inspector in the PCB Inspection Plan Form (see attachment 1). For sample tracking, the RSCC also provides the inspector with the regional sample numbers and the corresponding project work and account numbers. Region 10 RSCC is located within the Region 10 QA Office.

Manchester Environmental Laboratory (MEL) - This is the EPA regional analytical laboratory located at Port Orchard, WA. For the TSCA program, MEL is responsible for the following tasks: sample extraction and analysis; data generation, reduction, and validation; submission of PCB analytical data printouts (Form 1) for each sample to the inspector and a QC summary for precision and accuracy information for the analysis performed.

## SAMPLE COLLECTION

All sampling measurements shall be accomplished in accordance with the technical specifications of the approved QAPP for PCB Inspections and Chapter 2 of the "Toxic Substances Control Act Inspection Manual, Volume Two: PCB Manual, March 1981".

The inspector shall notify the RSCC of all pre-planned sampling events before samples are collected. It usually takes 3 working days for the RSCC to coordinate laboratory analysis for pre-scheduled sampling.

The RSCC shall also provide block(s) of regional sample numbers after a completed and signed copy of the "PCB Inspection Plan" (Attachment 1) had been submitted by the inspector. The PCB Inspector Plan Form can be accessed and printed through the LAN. In cases where a sampling opportunity unexpectedly occurs (unscheduled sampling), the RSCC shall respond within 24 hours of initial inspector contact.

The inspector shall, by signature on a Chain of Custody Form, accept responsibility for maintaining custody and meeting all applicable schedules agreed to with the RSCC. A completed plan may contain "open" items which are left "open" to give the inspector the needed flexibility to efficiently conduct the field operation phase of the inspection. Upon completion of the field operation phase, the "open" items shall be filled out by the inspector. The inspector shall document any methodology changes with the use of a Sample Alteration Checklist or Corrective Action Form (attachment 1).

## SAMPLE EQUIPMENT AND PROCEDURES

Sampling procedure and equipment used shall be selected from methodologies discussed in Appendix A. The choice of procedure and equipment shall also be dictated by the site requirements and inspector's professional judgment. Deviations from the plan may be acceptable with a full documentation in the "open" sections of the Inspection Plan or justification in the Sample Alteration Checklist or Corrective Action Form.

## SAMPLE DOCUMENTATION AND CHAIN OF CUSTODY PROCEDURES

Appendix B of this document is the Quality Assurance Guidance package for Sample Custody and Documentation. This has been developed for all QA plans and reviewed by the Regional Counsel's Office. This guidance is subject to review and corrections as regulatory requirements evolve. Therefore, the inspector should assure that the most current version of the guidance package is used at all times.

For inspectors, the approved QAPP, together with sampling methodologies and QA guidelines discussed in Appendices A and B are the controlling instructions for meeting Custody and Documentation requirements during field operations. At a minimum, any sample delivered to the EPA Laboratory must be identified by an appropriate tag or label containing a Sample Number, keyed to, and accompanied by a completed Field Sample Data and Chain of Custody Sheet(s). The inspector is responsible for completing the documentation required in the inspection file by making sure that all forms are completed and collected in the file. This will include field logs or notes, field data and chain of custody sheets, sample shipment logs, carrier waybills or air bills, analysis request forms, analytical data and other records and documents pertinent to the program.

## DATA QUALITY OBJECTIVES

**Table 1 Summary of Data Quality Objectives**

| Matrix | Method | Accuracy (Bias) | | Precision | Completeness |
|---|---|---|---|---|---|
| | | Detection Limits | Surrogate Recoveries | RPD | Percent |
| Soil | 8082 | 40 ug/kg | 60-150% | 35% | 95% |
| Oil | 8082 | 1.0 mg/kg | 60-150% | 35% | 95% |
| Water | 8082 | 1 ug/l | 60-150% | 35% | 95% |
| Wipe | 8082 | 1 ug/wipe, or, 1 mg/l of extract | 60-150% | 35% | 95% |

Approved TSCA analytical methods and QC procedures shall be used. For this program, MEL currently use the modified SW846 - Method 8082 - Organochlorine Pesticides, Halowaxes and PCBs as Aroclors by Gas Chromatography: Capillary Column Technique from the "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd edition".

The inspector or the designated manager shall review the analytical results and determine if the Data Quality Objectives (DQOs) requested were met. If not, corrective action will be initiated to provide usable data to the program.

### DELIVERABLES

All data generated and other related documentations under this QAPP shall be utilized by the Inspector and/or designated manager to meet the reporting requirements of the program. This can range from file retention to inclusion in major reports, as required for compliance to CFR 40-761.

### SYSTEM AND PERFORMANCE AUDITS

Data Management System Audits are routine QAO functions. Technical system audits may be performed if requested by Regional, Division or Branch Management, or the authorized inspector or delegated manager if resources are available.

**Preliminary Results ORRCO OOO-145A**
Megan Pickett to: Bruce Long, Karen Norton 04/07/2010 12:45 PM

Hi Bruce,

You will find that my results are not consistent with the results you received from another lab. The RLs will vary depending on the interferences but should not exceed 5mg/kg.

10104400 no aroclors found
10104401 no aroclors found
10104402 no aroclors found
10104403 no aroclors found
10104404 no aroclors found
10104405 no aroclors found
10104406 no aroclors found
10104407 10-12 mg/kg 1248
10104408 no aroclors found
10104409 no aroclors found
10104410 no aroclors found
10104411 no aroclors found
10104412 no aroclors found - the RL is about 2ppm
10104413 no aroclors found

The information in this report is being supplied to you at your request as 'Preliminary Results'. Results have not undergone the same level of review as a final report. Once all reviews have taken place, it is possible that results in the final report may vary from those in this report.

Megan Pickett
Chemist
U.S. EPA Region 10 Laboratory
Phone: (360) 871-8719
Fax: (360) 871-8747

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

# MEMORANDUM

SUBJECT: Data Release for PCB Aroclor Results from the Region 10 USEPA Laboratory

PROJECT NAME: ORRCO, Fuel Processors, Inc, Portland, OR

PROJECT CODE: OOO-145A

FROM: Gerald Dodo, Supervisory Chemist
Office of Environmental Assessment
USEPA Region 10 Laboratory

TO: Bruce Long
Office of Compliance and Enforcement
USEPA Region 10

I have authorized release of this data package. Attached you will find the PCB Aroclor analysis results for the ORRCO, Fuel Processors, Inc, Portland, OR samples collected on 03/10/10 and 03/11/10. For further information regarding the attached data, please contact Chris Pace at 360-871-8703. For the schedule of the remaining analyses, contact me at 360-871-8728.

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/10/10 | **14:15:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104400 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | S01-10-0228-001 | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : N1 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/1/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/19/2010 |
| Analytes(s): | 12674112 | PCB-1016 | 3.3 | mg/kg | U |
| | 11104282 | PCB-1221 | 3.3 | mg/kg | U |
| | 11141165 | PCB-1232 | 6.6 | mg/kg | U |
| | 53469219 | PCB-1242 | 3.3 | mg/kg | U |
| | 12672296 | PCB-1248 | 3.3 | mg/kg | U |
| | 11097691 | PCB-1254 | 3.3 | mg/kg | U |
| | 11096825 | PCB-1260 | 3.3 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 91 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104400 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Matrix Spike |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : N1 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/1/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/31/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 91 | %Rec | |
| | 11097691 | PCB-1254 | 63 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104400 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Matrix Spike Dupl |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : N1 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/1/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/31/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 71 | %Rec | |
| | 11097691 | PCB-1254 | 60 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/10/10 | **14:20:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104401 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | BATCH# 10020 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/1/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 3.2 | mg/kg | U |
| | 11104282 | PCB-1221 | 3.2 | mg/kg | U |
| | 11141165 | PCB-1232 | 6.5 | mg/kg | U |
| | 53469219 | PCB-1242 | 3.2 | mg/kg | U |
| | 12672296 | PCB-1248 | 3.2 | mg/kg | U |
| | 11097691 | PCB-1254 | 3.2 | mg/kg | U |
| | 11096825 | PCB-1260 | 3.2 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 77 | %Rec | |

# Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/10/10 | **14:25:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104402 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 01-10-0117-001 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 9.3 | mg/kg | U |
| | 11104282 | PCB-1221 | 9.3 | mg/kg | U |
| | 11141165 | PCB-1232 | 19 | mg/kg | U |
| | 53469219 | PCB-1242 | 9.3 | mg/kg | U |
| | 12672296 | PCB-1248 | 9.3 | mg/kg | U |
| | 11097691 | PCB-1254 | 9.3 | mg/kg | U |
| | 11096825 | PCB-1260 | 9.3 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 99 | %Rec | |

## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/10/10 | **14:31:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104403 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 01-10-0122-001 | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/2/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 4.8 | mg/kg | U |
| | 11104282 | PCB-1221 | 4.8 | mg/kg | U |
| | 11141165 | PCB-1232 | 9.6 | mg/kg | U |
| | 53469219 | PCB-1242 | 4.8 | mg/kg | U |
| | 12672296 | PCB-1248 | 4.8 | mg/kg | U |
| | 11097691 | PCB-1254 | 4.8 | mg/kg | U |
| | 11096825 | PCB-1260 | 4.8 | mg/kg | U |
| Surrogate(s : | *2051243 | Dccachlorobiphenyl | 91 | %Rec | |

# Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104403 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Matrix Spike |
| **Station Description:** | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/2/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 102 | %Rec | |
| | 12674112 | PCB-1016 | 115 | %Rec | |
| | 11096825 | PCB-1260 | 100 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104403 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Matrix Spike Dupl |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : N1 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/5/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 4/1/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 135 | %Rec | |
| | 12674112 | PCB-1016 | 121 | %Rec | |
| | 11096825 | PCB-1260 | 100 | %Rec | |

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **10:00:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104404 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 01-10-0411-001 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/1/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.5 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.5 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.0 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.5 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.5 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.5 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.5 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 78 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **10:15:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Solid | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104405 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | FPI- SOLIDS | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.2 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.2 | mg/kg | U |
| | 11141165 | PCB-1232 | 2.5 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.2 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.2 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.2 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.2 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 105 | %Rec | |

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **10:40:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104406 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | INO-0202-001 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/1/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.6 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.6 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.2 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.6 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.6 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.6 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.6 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 64 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **10:50:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104407 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | RFO-WPB | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/6/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 4.8 | mg/kg | U |
| | 11104282 | PCB-1221 | 4.8 | mg/kg | U |
| | 11141165 | PCB-1232 | 9.5 | mg/kg | U |
| | 53469219 | PCB-1242 | 4.8 | mg/kg | U |
| | **12672296** | **PCB-1248** | **15** | **mg/kg** | |
| | 11097691 | PCB-1254 | 4.8 | mg/kg | U |
| | 11096825 | PCB-1260 | 4.8 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 101 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104407 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Duplicate |
| **Station Description:** | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/6/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 4.8 | mg/kg | U |
| | 11104282 | PCB-1221 | 4.8 | mg/kg | U |
| | 11141165 | PCB-1232 | 9.6 | mg/kg | U |
| | 53469219 | PCB-1242 | 4.8 | mg/kg | U |
| | **12672296** | **PCB-1248** | **13** | **mg/kg** | |
| | 11097691 | PCB-1254 | 4.8 | mg/kg | U |
| | 11096825 | PCB-1260 | 4.8 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 78 | %Rec | |

## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **10:55:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104408 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0210-0206-003 | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 4.8 | mg/kg | U |
| | 11104282 | PCB-1221 | 4.8 | mg/kg | U |
| | 11141165 | PCB-1232 | 9.6 | mg/kg | U |
| | 53469219 | PCB-1242 | 4.8 | mg/kg | U |
| | **12672296** | **PCB-1248** | **2.2** | **mg/kg** | |
| | 11097691 | PCB-1254 | 4.8 | mg/kg | U |
| | 11096825 | PCB-1260 | 4.8 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 78 | %Rec | |

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **11:00:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104409 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0209-1217-002 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.9 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.9 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.7 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.9 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.9 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.9 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.9 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 106 | %Rec | |

## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **11:05:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104410 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0301-002 | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.9 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.9 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.8 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.9 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.9 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.9 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.9 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 94 | %Rec | |

# Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **11:10:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104411 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0210-0304-001 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 4.8 | mg/kg | U |
| | 11104282 | PCB-1221 | 4.8 | mg/kg | U |
| | 11141165 | PCB-1232 | 9.6 | mg/kg | U |
| | 53469219 | PCB-1242 | 4.8 | mg/kg | U |
| | 12672296 | PCB-1248 | 4.8 | mg/kg | U |
| | 11097691 | PCB-1254 | 4.8 | mg/kg | U |
| | 11096825 | PCB-1260 | 4.8 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 92 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **11:15:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104412 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0210-0218-005 | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : N1 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/2/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 4/1/2010 |
| Analytes(s): | 12674112 | PCB-1016 | 2.0 | mg/kg | U |
| | 11104282 | PCB-1221 | 2.0 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.9 | mg/kg | U |
| | 53469219 | PCB-1242 | 2.0 | mg/kg | U |
| | 12672296 | PCB-1248 | 2.0 | mg/kg | U |
| | 11097691 | PCB-1254 | 2.0 | mg/kg | U |
| | 11096825 | PCB-1260 | 2.0 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 71 | %Rec | |

| | | | | |
|---|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | 3/11/10 | **11:20:00** |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil | |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | 10104413 | |
| **Account Code:** | 1011B10P201B53C | **Type:** | Reg sample | |
| **Station Description:** | 0216-002 | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : N1
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 0.48 | mg/kg | U |
| | 11104282 | PCB-1221 | 0.48 | mg/kg | U |
| | 11141165 | PCB-1232 | 1.0 | mg/kg | U |
| | 53469219 | PCB-1242 | 0.48 | mg/kg | U |
| | 12672296 | PCB-1248 | 0.48 | mg/kg | U |
| | 11097691 | PCB-1254 | 0.48 | mg/kg | U |
| | 11096825 | PCB-1260 | 0.48 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 103 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078B1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Blank |
| **Station Description:** | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/1/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.7 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.7 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.3 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.7 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.7 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.7 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.7 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 104 | %Rec | |

## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | Result | Units | Qlfr |
|---|---|---|---|---|

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/1/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | | |
|---|---|---|---|---|
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 100 | %Rec |
| | 12674112 | PCB-1016 | 91 | %Rec |
| | 11096825 | PCB-1260 | 98 | %Rec |

## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F2 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 3/30/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/19/2010

| | | | | | |
|---|---|---|---|---|---|
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 120 | %Rec | |
| | 12674112 | PCB-1016 | 102 | %Rec | |
| | 11096825 | PCB-1260 | 112 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F3 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | Result | Units | Qlfr |
|---|---|---|---|---|
| **ORG** | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | Container ID : 0 |
| **Method** | : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/30/2010 |
| **Prep Method** | : 3580A 3580A Serial Dilution | | | Prep Date : 3/19/2010 |
| Surrogate(s : | *2051243 Decachlorobiphenyl | 116 | %Rec | |
| | 53469219 PCB-1242 | 101 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F4 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/30/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/19/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 110 | %Rec | |
| | 53469219 | PCB-1242 | 98 | %Rec | |

## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F5 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/30/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/19/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 100 | %Rec | |
| | 11097691 | PCB-1254 | 108 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0078F6 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/30/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/19/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 98 | %Rec | |
| | 11097691 | PCB-1254 | 103 | %Rec | |

# Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0090B1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Blank |
| **Station Description:** | | | |

## ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0

**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 3/31/2010

**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/31/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.7 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.7 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.3 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.7 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.7 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.7 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.7 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 117 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0090F1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 3/31/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/31/2010

| | | | | |
|---|---|---|---|---|
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 119 | %Rec |
| | 12674112 | PCB-1016 | 104 | %Rec |
| | 11096825 | PCB-1260 | 106 | %Rec |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0090F2 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/31/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/31/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 115 | %Rec | |
| | 12674112 | PCB-1016 | 102 | %Rec | |
| | 11096825 | PCB-1260 | 104 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0090F3 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 3/31/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 3/31/2010

| | | | | |
|---|---|---|---|---|
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 107 | %Rec |
| | 11097691 | PCB-1254 | 100 | %Rec |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0090F4 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 3/31/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 3/31/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 108 | %Rec | |
| | 11097691 | PCB-1254 | 100 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0091B1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Blank |
| **Station Description:** | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/2/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.7 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.7 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.3 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.7 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.7 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.7 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.7 | mg/kg | U |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 128 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0091B2 |
| **Account Code:** | 1011B10P201B53C | **Type:** | Blank |
| **Station Description:** | | | |

### ORG

**Parameter** : Polychlorinated Biphenyl — Container ID : 0
**Method** : 8082 Polychlorinated Biphenyls (PCBs/congeners) by GC — Analysis Date : 4/5/2010
**Prep Method** : 3580A 3580A Serial Dilution — Prep Date : 4/1/2010

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| Analytes(s): | 12674112 | PCB-1016 | 1.7 | mg/kg | U |
| | 11104282 | PCB-1221 | 1.7 | mg/kg | U |
| | 11141165 | PCB-1232 | 3.3 | mg/kg | U |
| | 53469219 | PCB-1242 | 1.7 | mg/kg | U |
| | 12672296 | PCB-1248 | 1.7 | mg/kg | U |
| | 11097691 | PCB-1254 | 1.7 | mg/kg | U |
| | 11096825 | PCB-1260 | 1.7 | mg/kg | U |
| Surrogate(s): | *2051243 | Decachlorobiphenyl | 110 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0091F1 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCS |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/5/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 4/1/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 134 | %Rec | |
| | 12674112 | PCB-1016 | 105 | %Rec | |
| | 11096825 | PCB-1260 | 123 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0091F3 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/5/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 4/1/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 111 | %Rec | |
| | 12674112 | PCB-1016 | 98 | %Rec | |
| | 11096825 | PCB-1260 | 99 | %Rec | |

# Manchester Environmental Laboratory
## Report by Parameter for Project OOO-145A

| | | | |
|---|---|---|---|
| **Project Code:** | OOO-145A | **Collected:** | |
| **Project Name:** | ORRCO FUEL PROCESSORS | **Matrix:** | Oil |
| **Project Officer:** | BRUCE LONG | **Sample Number:** | OBO0091F4 |
| **Account Code:** | 1011B10P201B53C | **Type:** | LCSD |
| **Station Description:** | | | |

| | | | Result | Units | Qlfr |
|---|---|---|---|---|---|
| **ORG** | | | | | |
| **Parameter** | : Polychlorinated Biphenyl | | | | Container ID : 0 |
| **Method** | : 8082 | Polychlorinated Biphenyls (PCBs/congeners) by GC | | | Analysis Date : 4/2/2010 |
| **Prep Method** | : 3580A | 3580A Serial Dilution | | | Prep Date : 4/1/2010 |
| Surrogate(s : | *2051243 | Decachlorobiphenyl | 102 | %Rec | |
| | 12674112 | PCB-1016 | 103 | %Rec | |
| | 11096825 | PCB-1260 | 93 | %Rec | |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

# QUALITY ASSURANCE MEMORANDUM FOR ORGANIC CHEMICAL ANALYSES

**Date:** May 5, 2010

**To:** Bruce Long, Project Manager
Office of compliance and Enforcement, USEPA Region 10

**From:** Chris Pace, Chemist
Office of Environmental Assessment, USEPA Region 10 Laboratory

**Subject:** Quality Assurance Review for the PCB Aroclor Analysis of Samples from the ORRCO Fuel Processors, Inc, Portland, OR

Project Code: OOO-145A
Account Code: 20102011B10P201B53C

The following is a quality assurance review of the data for PCB Aroclor analysis samples from the above referenced site. The analyses were performed by EPA Region 10 Laboratory Chemists following US EPA Laboratory guidelines.

This review was conducted for the following samples:

| | | | | | | |
|---|---|---|---|---|---|---|
| 10104400 | 10104401 | 10104402 | 10104403 | 10104404 | 10104405 | 10104406 |
| 10104407 | 10104408 | 10104409 | 10104410 | 10104411 | 10104412 | 10104413 |

## 1. Data Qualifications

Comments below refer to the quality control specifications outlined in the Laboratory's current Quality Assurance Manual, Standard Operating Procedures (SOPs) and the Quality Assurance Project Plan (QAPP). No excursions were required from the method Standard Operating Procedure.

All measures of quality control met Laboratory/QAPP criteria.

For those tests for which the EPA Region 10 Laboratory has been accredited by the National Environmental Laboratory Accreditation Conference (NELAC), all requirements of the current NELAC Standard have been met.

**2. Sample Holding Times**

Upon sample receipt, no conditions were noted that would impact data quality.

**3. Sample Holding Times**

The concentration of an analyte in a sample or extract of a sample may increase or decrease over time depending on the nature of the analyte. For this reason, holding time limits are recommended for samples and extracts. Extracts were analyzed within 40 days of preparation. No qualifiers were applied based on holding times.

**4. Sample Preparation**

Samples were prepared according to the method.

**5. Initial Calibration/Continuing Calibration Verification (CCV)**

Initial calibrations were performed on 03/29/10 and 04/06/10. Calibration curves met the coefficient of determination criteria.

The CCV for reported samples met the criteria for frequency of analysis and relative retention time (RRT) windows. The percent accuracies met the criteria of 80-120% of the true value.

**6. Laboratory Control Samples/Laboratory Control Sample Duplicates (LCS/LCSD)**

LCS/LCSD are generated to provide information on the accuracy and precision of the analytical method and the laboratory performance. The LCS/LCSD recoveries were within the criteria of 70-130% with a relative percent difference ≤50%.

**7. Blank Analysis**

Method blanks were analyzed with each sample batch to evaluate the potential for laboratory contamination and effects on the sample results. Target analytes were not detected in method blanks.

**8. Surrogate Spikes**

Surrogate recoveries are used to help in the evaluation of laboratory performance on individual samples. The surrogate compound used for these analyses was decachlorobiphenyl. All surrogate recoveries were within the criteria of 50-150%.

**9. Matrix Spike/Matrix Spike Duplicate Analysis (MS/MSD)**

MS/MSD analyses are performed to provide information on the effects of sample matrices toward the analytical method. An MS/MSD analysis was performed using samples 10104400 (S1/S2) and 10104403 (S1/S2). The MS/MSD recoveries were within the criteria of 30-150% with a relative percent difference ≤50%.

**10. Compound Quantitation**

The initial calibration functions were used for calculations. Reported quantitation limits were based on the initial calibration standards and sample size used for the analysis.

Sample 10104407 was prepared and analyzed in duplicate. The duplicate results were ≤50%.

All manual integrations have been reviewed and found to comply with acceptable integration practices.

**11. Identification**

PCBs and the surrogate were identified based on chromatographic retention times of two dissimilar gas chromatography columns as determined from the initial calibration.

**12. Changes from Preliminary Data**

No changes to the pentachlorophenol results were made between the preliminary and final data.

**13. Data Qualifiers**

All requirements for data qualifiers from the preceding sections were accumulated. Each sample data summary sheet and each compound was checked for positive or negative results. From this, the overall need for data qualifiers for each analysis was determined. In cases where more than one of the preceding sections required data qualifiers, the most restrictive qualifier has been added to the data.

The usefulness of qualified data should be treated according to the severity of the qualifier in light of the project's data quality objectives. Should questions arise regarding the data, contact Chris Pace at the Region 10 Laboratory, phone number (360) 871 - 8703.

| Qualifier | Definition |
|---|---|
| **U** | The analyte was not detected at or above the reported value. |
| **J** | The identification of the analyte is acceptable; the reported value is an estimate. |
| **UJ** | The analyte was not detected at or above the reported value. The reported value is an estimate. |
| **R** | The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable. No value is reported with this qualification. |
| **NA** | Not Applicable, the parameter was not analyzed for, or there is no analytical result for this parameter. No value is reported with this qualification. |

EPA EPA 0, 1200 Sixth Avenue, Seattle, WA 98101

# Sample Custody & Analysis Requi Form

EPA Manchester Laboratory, 7411 Beach Drive East, Port Orchard, WA 360-871-8700

Form Effective Date: July 2005

Revision 1

| Project Name | Project Code | Method of Shipment/carrier | Airbill Number (if known prior to sealing): |
|---|---|---|---|
| ORRCO Portland | 000-145A | Fedex | |
| **Account Code** | **EPA Project Manager/phone number** | **Check all that apply** | |
| 2010 2011 B1 0P501 E50C | Bruce Long | ☒ Enforce/Custody ☐ Possible Toxic/Hazardous ☐ Data Confidential | |

*Sampler Names* (Print & Sign). *Mark* (R) *after name of principal recorder.*

Bruce Long (R)

If applicable, circle the set of selected metals:

| | | | | |
|---|---|---|---|---|
| Al | Sb | As | Ba | Be |
| B | Cd | Ca | Cr | Co |
| Cu | Fe | Pb | Mg | Mn |
| Mo | Ni | K | Se | Ag |
| Na | Sn | Tl | V | Zn |

*(see reverse for more to add/circle)*

① Matrix Codes:
10 Water/Liquid (Total)
20 Water/Liquid (Filtered)
40 Sediment/Soil/Solid/Bulk
70 Tissue
80 Oil/Solvent
44 Air filter
42 Wipe/Swab[1]
00 _____

[1] PCB wipe is to be 10cm x 10cm (100 cm²)

#C ② enter the number of containers for each preservative type followed by the appropriate preservation code P ③:

A - HCl
B - $HNO_3$
C - NaOH
D - $H_2SO_4$
E - $Na_2S_2O_3$
F - ascorbic acid[2], then HCl
G - $Na_2S_2O_3$+EDTA
H - EDTA
N - No chemical preservation
P - Bottles pre-preserved at lab
T - To be preserved at the lab

[2] $Na_2S_2O_3$ if required by plan.

W - _____

☐ Check here if the cooler is iced

④ Enter the letter or range of letters on each container for each group of containers with the same preservative type. Each container for each unique sample number must have a unique letter on it.

**Laboratory:** *see the applicable QAPP, SOW and/or Analytical Support Request for specific methods and detection, reporting, and/or quantitation limits*

*Sampler's comments for the laboratory:*

The Samples are used oil that have been processed
Sample locations are batch numbers used by ORRCO

| EPA Sample number Yr | Wk | Sequence | Sampling Date & Time Yr | Mo | Day | Time | Matrix ① | #C ② | P ③ | #C ② | P ③ | #C ② | P ③ | #C ② | P ③ | Sampler Initials | Sample/Station Description/Field Measurements | Organics (see reverse) VOA | BNA | Pest | PCB | PAH | Metals (see reverse) CLP | Selected | Mercury | Micro (see reverse) E. Coli | F. Coliform | T. Coliform | General Chemistry (see reverse) TSS | TDS | BOD 5 | NO2+NO3 | Oil & Grease | Asbestos | Additional Write in Analyses (see reverse) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 10 | 44005 | 10 | 03 | 10 | 1415 | 80 | 1 | N | | | | | | | BJ | SO1-10-0228-001 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44018 | 10 | 03 | 10 | 1420 | 80 | 1 | N | | | | | | | BJ | Batch # 10020 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44025 | 10 | 03 | 10 | 1425 | 80 | 1 | N | | | | | | | BJ | 01-10-0117-001 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44031 | 10 | 03 | 10 | 1431 | 80 | 1 | N | | | | | | | BJ | 01-10-0122-001 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44044 | 10 | 03 | 11 | 1000 | 80 | 1 | N | | | | | | | BJ | 01-10-0411-001 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44055 | 10 | 03 | 11 | 1515 | 40 | 2 | N | | | | | | | BJ | FPI-Solids | X | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44066 | 10 | 03 | 11 | 1040 | 80 | 2 | N | | | | | | | BJ | IND# 0202-001 | X | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44077 | 10 | 03 | 11 | 0500 | 80 | 1 | N | | | | | | | BJ | KFO WPB | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44088 | 10 | 03 | 11 | 1055 | 80 | 1 | N | | | | | | | BJ | 0210-0206-003 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44099 | 10 | 03 | 11 | 1100 | 80 | 1 | N | | | | | | | BJ | 0209-1217-002 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44102 | 10 | 03 | 11 | 1105 | 80 | 1 | N | | | | | | | BJ | 0301-002 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44111 | 10 | 03 | 11 | 1110 | 80 | 1 | N | | | | | | | BJ | 0210 0304-001 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44124 | 10 | 03 | 11 | 1115 | 80 | 1 | N | | | | | | | BJ | 0210 0218-005 | | | | X | | | | | | | | | | | | | | | | | |
| 10 | 10 | 44135 | 10 | 03 | 11 | 1120 | 80 | 1 | N | | | | | | | BJ | 0216-002 | | | | X | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | End | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## Chain of Custody Record

| Relinquished by (Signature) | Date | Time | Received by (Signature) | Date | Time |
|---|---|---|---|---|---|
| Relinquished by (Signature) | Date | Time | Received by (Signature) | Date | Time |
| Relinquished by (Signature) | Date | Time | Received by **Mobile Lab** for Field Analysis (Signature) | Date | Time |
| **Shipped** (Signature) | Date 3/15/2010 | Time 3:00 pm | Received for lab by (Signature) | Date | Time |

**Receiving Laboratory Information** Condition of Samples upon Receipt at Lab:

Custody Seals Intact: ☐ yes ☐ no ☐ none

**Distribution:** te - Laboratory Copy;
Yellow - Regi ample Control Center (RSCC) Copy; Pink - Field c e Copy

**SHIPPER'S DECLARATION FOR DANGEROUS GOODS** **(Provide at least three copies to the airline.)**

Shipper

USEPA Oregon Operations Office
805 SW Broadway
Suite 500
Portland, Oregon 97205

Air Waybill No. 7933 5843 0530

Page 1 of 1 Pages

Shipper's Reference Number

Consignee

USEPA Region 10 Lab
7411 Beach Drive East
Port Orchard, Washington 98366

FedEx Express

*Two completed and signed copies of this Declaration must be handed to the operator*

**WARNING**

**Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.**

**TRANSPORT DETAILS**

This shipment is within the limitations prescribed for: *(delete non applicable)*

PASSENGER AND CARGO AIRCRAFT | ~~CARGO AIRCRAFT ONLY~~ XXX

Airport of Departure: Portland, Oregon

Airport of Destination: Seattle, Washington

Shipment type: *(delete non-applicable)*

NON-RADIOACTIVE | ~~RADIOACTIVE~~

**NATURE AND QUANTITY OF DANGEROUS GOODS**

| Dangerous Goods Identification | | | | Quantity and type of packaging | Packing Inst. | Authorization |
|---|---|---|---|---|---|---|
| UN or ID No. | Proper Shipping Name | Class or Division (Subsidiary Risk) | Packing Group | | | |
| UN 2315 | Polychlorinated biphenyls, liquid | 9 | II | 1-1A2 Steel Drum X 150 ml | 907 | |

**Additional Handling Information**

Inner Packaging Complies with IATA

FX-06 Applies as this is suspected to contain PCBs.

Emergency Telephone Number 206-553-1263

**I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations. I declare that all of the applicable air transport requirements have been met.**

Name/Title of Signatory

Bruce Long, Investigator

Place and Date

Portland, Oregon March 16, 2010

Signature *(see warning above)*

FOR RADIOACTIVE MATERIAL SHIPMENT ACCEPTABLE FOR PASSENGER AIRCRAFT, THE SHIPMENT CONTAINS RADIOACTIVE MATERIAL INTENDED FOR USE IN OR INCIDENT TO RESEARCH, MEDICAL DIAGNOSIS, OR TREATMENT.

From: Origin ID: VKWA (503) 326-3686
Bruce Long
US EPA Oregon Operations Office
805 SW Broadway

**Portland, OR 97205**

FedEx Express

J10101002220224

Ship Date: 16MAR10
ActWgt: 10.0 LB
CAD: 101243433/INET3010

Dims: 1 X 12 X 22 IN

Delivery Address Bar Code

Ref # Samples
Invoice #
PO #
Dept #

SHIP TO: (360) 871-8760 BILL SENDER

**Karen Norton**
**USEPA Region 10 Lab**
**7411 BEACH DR E**
**EAST**
**PORT ORCHARD, WA 98366**

TRK# 0201 7933 5843 0530

WED - 17 MAR AM
PRIORITY OVERNIGHT

IDG ASR

98366
WA-US
SEA

**85 PWTA**

505G1/F853/5FE8

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**ORRCO Fuel Processors, Inc, OOO-145A ---Formal Request**

Bethany Plewe to: Gerald Dodo, Barry Pepich, David Dobb, Christopher Pace, Megan Pickett, Steve Reimer, Randy Cummings, Theodore Haigh, Karen Norton, Kathy York

03/15/2010 10:27 AM

Cc: Bruce Long

EPA Region 10
Manchester Laboratory Support Request

**Project Name** : ***ORRCO Fuel Processors, Inc, ~~Central Point, OR~~*** Portland, Oregon
**Project Code** : OOO-145A
**Account Code** : 20102011B10P201B53C
**Sample Numbers** : 10104400-10104449

| | Criminal | Superfund Remedial | Compliance Monitoring | Drinking Water Programs | Surface Water Protection | RCRA CA | Brownfields |
|---|---|---|---|---|---|---|---|
| Program/project* | | | X | | | | |
| NPM* | OECA | OSWER | OECA | OW | OW | OSWER | OSWER |

* 'X' the Program/ Project then change 'frequent' NPM below if necessary. For compliance monitoring/criminal projects, also write in the specific data use such as RCRA, NPDES, TSCA, etc. after the 'X'. For surface water, specify 'TMDL' after the 'X' if applicable.

**RAP ANALYSES REQUESTED:**

| PARAMETER OR GROUP OF COMPOUNDS | METHOD | REPORTING LIMITS | # oil wipes |
|---|---|---|---|
| PCB aroclor | 8082 | 1 mg/L extract | 20 |

**Sampling/Shipping Dates:** March 16, 2010
**Turnaround Time Requested** : preliminary results requested, as per MEL
**Q.A. Chemist Reviewing QAPP** : Bethany Plewe
**Final Data Will Be Sent to** : Bruce Long
**Who Reviews?** : MEL
**Project Manager** : Bruce Long **Phone** : 503-326-3686
**Has this project been previously requested/if so when?** No
**Comments** : Bruce sent PCB inspection attachment previously
**Requested by** : Bethany Plewe, RSCC **Date** : March 15, 2010
phone: (206) 553-1603
plewe.bethany@epa.gov

**BELOW FOR LAB USE ONLY**

Accepted Parameters:

**SHIPPER'S DECLARATION FOR DANGEROUS GOODS** (Provide at least three copies to the airline.)

Shipper

USEPA Oregon Operations Office
805 SW Broadway
Suite 500
Portland, Oregon 97205

Air Waybill No. 7733 5843 0530

Page 1 of 1 Pages

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Consignee

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FedEx Express

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Airport of Destination: Seattle, Washington

Shipment type: *(delete non-applicable)*

NON-RADIOACTIVE | ~~RADIOACTIVE~~

**NATURE AND QUANTITY OF DANGEROUS GOODS**

| Dangerous Goods Identification | | | | Quantity and type of packaging | Packing Inst. | Authorization |
|---|---|---|---|---|---|---|
| UN or ID No. | Proper Shipping Name | Class or Division (Subsidiary Risk) | Packing Group | | | |
| UN 2315 | Polychlorinated biphenyls, liquid | 9 | II | 1-1A2 Steel Drum X<br>150 ml | 907 | |

**Additional Handling Information**

Inner Packaging Complies with IATA

FX-06 Applies as this is suspected to contain PCBs.

Emergency Telephone Number 206-553-1263

**I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable International and National Governmental Regulations. I declare that all of the applicable air transport requirements have been met.**

Name/Title of Signatory

Bruce Long, Investigator

Place and Date

Portland, Oregon March 16, 2010

Signature *(see warning above)*

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**7411 BEACH DR E**
**EAST**
**PORT ORCHARD, WA 98366**

TRK# 0201 7933 5843 0530

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